

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10603034
Filing Date	2003-06-24
First Named Inventor	Jennifer Chayes
Art Unit	2168
Examiner Name	Jay A. Morrison
Attorney Docket Number	MS303621.01/MSFTP467US

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/JM/	1	6604105		2003-08-05	Roth	
/JM/	2	5511158		1996-04-23	Sims	

If you wish to add additional U.S. Patent citation information please click the Add button.

Add

U.S.PATENT APPLICATION PUBLICATIONS						Remove
Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1					

If you wish to add additional U.S. Published Application citation information please click the Add button.

Add

FOREIGN PATENT DOCUMENTS							Remove	
Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup>	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T5
	1							

If you wish to add additional Foreign Patent Document citation information please click the Add button.

Add

NON-PATENT LITERATURE DOCUMENTS							Remove
---------------------------------	--	--	--	--	--	--	--------

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>( Not for submission under 37 CFR 1.99)</i>	Application Number		10603034
	Filing Date		2003-06-24
	First Named Inventor	Jennifer Chayes	
	Art Unit	2168	
	Examiner Name	Jay A. Morrison	
	Attorney Docket Number	MS303621.01/MSFTP467US	

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
/JM/	1	WILLIAM AIELLO, et al. "A Random Graph Model for Power Law Graphs", 2000, pages 1- 25.	<input type="checkbox"/>
/JM/	2	REKA ALBERT, et al. "Diameter of the World-Wide Web", Nature, September 9, 1999, page 130, Vol. 401, Macmillan Magazines, Ltd.	<input type="checkbox"/>
/JM/	3	REKA ALBERT, "Statistical Mechanics of Complex Networks", A Dissertation, April 2001, 168 pages, Notre Dame, Indiana.	<input type="checkbox"/>
/JM/	4	ALBERT LASZLO BARABASI, et al. "Emergence of Scaling in Random Networks", Science, October 15, 1999, pages 509-512, Vol. 286.	<input type="checkbox"/>
/JM/	5	ALBERT LASZLO BARABASI, et al. "Mean-field Theory for Scale-free Random Networks", Physica A, July 1, 1999, pages 173-187.	<input type="checkbox"/>
/JM/	6	ALBERT LASZLO BARABASI, et al. "Scale-free Characteristics of Random Networks: the Topology of the World Wide Web", Physica A, 2000, pages 69-77.	<input type="checkbox"/>
/JM/	7	G. BIANCONI, et al. "Competition and Multi-scaling in Evolving Networks", Europhysics Letters, May 15, 2001, pages 436-442, Vol. 54, No. 4.	<input type="checkbox"/>
/JM/	8	B. BOLLOBAS, et al. "The diameter of a scale-free random graph", August 9, 2002, pages 1- 27.	<input type="checkbox"/>
/JM/	9	B. BOLLOBAS, et al. "The degree sequence of a scale-free random graph process", Random Structures and Algorithms, January 2001, pages 279-290.	<input type="checkbox"/>
/JM/	10	A. BRODER, et al. "Graph Structure in the Web", Proceedings of the 9th WWW Conference, 2000, pages 309-320.	<input type="checkbox"/>

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>( Not for submission under 37 CFR 1.99)</i>		Application Number	10603034
		Filing Date	2003-06-24
		First Named Inventor	Jennifer Chayes
		Art Unit	2168
		Examiner Name	Jay A. Morrison
		Attorney Docket Number	MS303621.01/MSFTP467US

/JM/	11	C. COOPER, et al. "A general model of web graphs", January 30, 2003, pages 1-21.	<input type="checkbox"/>
/JM/	12	M. FALOUTSOS, et al. "On power-law relationships of the internet topology", SIGCOMM 1999, 12 pages.	<input type="checkbox"/>
/JM/	13	H. JEONG, et al. "The large-scale organization of metabolic networks", Nature, October 5, 2000, pages 651-654, Vol. 407.	<input type="checkbox"/>
/JM/	14	J. KLEINBERG, et al. "The Web as a graph: measurements, models, and methods", COCOON 1999, 18 pages.	<input type="checkbox"/>
/JM/	15	R. KUMAR, et al. "Extracting large scale knowledge bases from the web", Proceedings of the 25th VLDB Conference, 1999, pages 639-650.	<input type="checkbox"/>
/JM/	16	R. KUMAR, et al. "Stochastic models for the web graph", FOCS 2000, 9 pages.	<input type="checkbox"/>
/JM/	17	M. E. J. NEWMAN, "The Structure of Scientific Collaboration Networks", PNAS, January 16, 2001, pages 404-409, Vol. 98, No. 2.	<input type="checkbox"/>
/JM/	18	M. NEWMAN, et al. "Random Graphs with Arbitrary Degree Distributions and their Applications", Physical Review E, 2001, 17 pages, Vol. 64.	<input type="checkbox"/>
/JM/	19	D. OSTHUS, et al. "Popularity Based Random Graph Models Leading to a Scale-free Degree Distribution", pages 1-24.	<input type="checkbox"/>
/JM/	20	D. WATTS, et al. "Collective dynamics of 'small world' networks", Nature, June 4, 1998, pages 440-442, Vol. 393.	<input type="checkbox"/>
/JM/	21	S.N. DOROGOVSEV, et al. "Evolution of random networks", Adv Phys 2002, March 6, 2001, pages 1079-1187, volume 51.	<input type="checkbox"/>

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Not for submission under 37 CFR 1.99)</i>		Application Number	10603034
		Filing Date	2003-06-24
		First Named Inventor	Jennifer Chayes
		Art Unit	2168
		Examiner Name	Jay A. Morrison
		Attorney Docket Number	MS303621.01/MSFTP467US

/JM/	22	P. ERDOS, et al. "On Random Graphs", Publicationes Mathematicae, 1959, pages 290-297, Volume 6.	<input type="checkbox"/>
/JM/	23	P. ERDOS, et al. "On the evolution of random graphs", Public Mathematical Institute of Hungary Academy of Sciences, 1960, pages 17-61, Volume 5.	<input type="checkbox"/>
/JM/	24	K. AZUMA, "Weighted sums of certain dependent variables", Tohoku Mathematical Journal, 1967, pages 357-367, Volume 19, No. 3.	<input type="checkbox"/>
/JM/	25	B. BOLLOBAS, "Martingales, isoperimetric inequalities and random graphsh", in Combinatorics (Eger, 1987), pages 113-139.	<input type="checkbox"/>
/JM/	26	E. N. GILBERT, "Random Graphs", The Annals of Mathematical Statistics, December 1959, pages 1141-1144, Volume 30, No. 4.	<input type="checkbox"/>
/JM/	27	W. HOEFFDING, "Probability inequalities for sums of bounded random variables", Journal of the American Statistical Association, 1963, pages 13-30, Volume 58.	<input type="checkbox"/>
/JM/	28	B. BOLLOBAS, "Random Graphs, Second Edition" Cambridge University, 2001, pages 1-17.	<input type="checkbox"/>
/JM/	29	B. BOLLOBAS, "Random Graphs, Second Edition" Cambridge University, 2001, pages 18-52.	<input type="checkbox"/>
/JM/	30	B. BOLLOBAS, "Random Graphs, Second Edition" Cambridge University, 2001, pages 53-87.	<input type="checkbox"/>
/JM/	31	B. BOLLOBAS, "Random Graphs, Second Edition" Cambridge University, 2001, pages 88-122.	<input type="checkbox"/>
/JM/	32	B. BOLLOBAS, "Random Graphs, Second Edition" Cambridge University, 2001, pages 123-157.	<input type="checkbox"/>

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>( Not for submission under 37 CFR 1.99)</i>	Application Number	10603034
	Filing Date	2003-06-24
	First Named Inventor	Jennifer Chayes
	Art Unit	2168
	Examiner Name	Jay A. Morrison
	Attorney Docket Number	MS303621.01/MSFTP467US

/JM/	33	B. BOLLOBAS, "Random Graphs, Second Edition" Cambridge University, 2001, pages 158-192.	<input type="checkbox"/>
/JM/	34	B. BOLLOBAS, "Random Graphs, Second Edition" Cambridge University, 2001, pages 193-227.	<input type="checkbox"/>
/JM/	35	B. BOLLOBAS, "Random Graphs, Second Edition" Cambridge University, 2001, pages 228-257.	<input type="checkbox"/>
/JM/	36	B. BOLLOBAS, "Random Graphs, Second Edition" Cambridge University, 2001, pages 258-292.	<input type="checkbox"/>
/JM/	37	B. BOLLOBAS, "Random Graphs, Second Edition" Cambridge University, 2001, pages 293-327.	<input type="checkbox"/>
/JM/	38	B. BOLLOBAS, "Random Graphs, Second Edition" Cambridge University, 2001, pages 328-362.	<input type="checkbox"/>
/JM/	39	B. BOLLOBAS, "Random Graphs, Second Edition" Cambridge University, 2001, pages 363-399.	<input type="checkbox"/>
/JM/	40	B. BOLLOBAS, "Random Graphs, Second Edition" Cambridge University, 2001, pages 400-449.	<input type="checkbox"/>
/JM/	41	B. BOLLOBAS, "Random Graphs, Second Edition" Cambridge University, 2001, pages 450-498.	<input type="checkbox"/>
/JM/	42	RODGERS, ET AL.; Properties of a growing random directed network; European Physical Journal, pp. 1-13; 2001	<input type="checkbox"/>
/JM/	43	AIELLO, ET AL.; Random evolution in massive graphs, Proc. FOCS, pp. 1-39, 2001.	<input type="checkbox"/>

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>( Not for submission under 37 CFR 1.99)</i>	Application Number	10603034
	Filing Date	2003-06-24
	First Named Inventor	Jennifer Chayes
	Art Unit	2168
	Examiner Name	Jay A. Morrison
	Attorney Docket Number	MS303621.01/MSFTP467US

/JM/	44	BELA BOLLABAS, ET AL., Directed Scale-Free Graphs, Proceedings of the fourteenth annual ACM-SIAM symposium on Discrete algorithms, 2003, pp. 132-139, Baltimore, Maryland	<input type="checkbox"/>
/JM/	45	LINYUAN LU, ET AL., The Diameter of Random Massive Graphs, Proceedings of the twelfth annual ACM-SIAM symposium on Discrete algorithms, 2001, pp. 912-921, Washington, D.C., United States	<input type="checkbox"/>
/JM/	46	WILLIAM AIELLO, ET AL., A Random Graph Model for Massive Graphs, STOC'2000, 2000, pp. 1-10, Oregon, Portland	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

#### EXAMINER SIGNATURE

Examiner Signature	/Jay Morrison/	Date Considered	04/01/2007
--------------------	----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.